

1 4. (Amended) The system of claim 3, wherein the image frame is divided into tiles  
2 representing two-dimensional regions of the image frame, each of the tiles is stored in one  
3 separate memory page.

1 5. (Amended) The system of claim 3, wherein each of the memory pages has a size  
2 of four Kilobytes.

1 6. (Amended) The system of claim 3, wherein the image frame is represented by a  
2 configuration where color components of a pixel are deposited in contiguous memory locations.

1 7. (Amended) The system of claim 3, wherein the image frame is represented by a  
2 configuration where color components of a pixel are separated and deposited in multiple color  
3 planes.

1 10. (Amended) A method to refresh a display, comprising:  
2 storing at least one image frame such that content of the image frame is stored in a  
3 plurality of memory pages in a memory;  
4 marking memory pages corresponding to regions of the image frame that have been  
5 updated while performing drawing operations; and  
6 sending only the marked memory pages of the image frame to the display to refresh the  
7 display.

1 11. (Amended) The method of claim 10 further comprising:  
2 dividing the image frame into tiles representing two-dimensional regions of the image  
3 frame; and  
4 storing each of the tiles in one separate memory page.

1 12. (Amended) The method of claim 10 further comprises using memory pages of  
2 four Kilobytes in size.

1           13.     (Amended) The method of claim 10 further comprises organizing the image  
2 frame using a configuration where color components of a pixel are deposited in contiguous  
3 memory locations.

1           14.     (Amended) The method of claim 10, further comprises organizing the image  
2 frame using a configuration where color components of a pixel are separated and deposited in  
3 multiple color planes.

1           15.     (Amended) A program embodied on a system-readable medium to refresh a  
2 display, comprising:

3           a first sub-program to control storing at least one image frame in a memory such that  
4 content of the image frame is stored in a plurality of memory pages in the memory;

5           a second sub-program to mark memory pages corresponding to regions of the image  
6 frame that have been updated while performing drawing operations; and

7           at least one sub-program to access the image frame and to send only the marked memory  
8 pages of the image frame one memory page at a time to the display to refresh the display.

1           18.     The program of claim 15 further comprising:

2           a third sub-program to divide the image frame into tiles representing regions of the image  
3 frame and to store each tile in a separate memory page.

1           19.     The program of claim 15 further comprising:

2           a third sub-program to organize the image frame using a configuration where color  
3 components of a pixel are deposited in contiguous memory locations.

1           20.     The program of claim 15 further comprising:

2           a third sub-program to organize the image frame using a configuration where color  
3 components of a pixel are separated and deposited in multiple color planes.

1           21.     The system of claim 3, wherein the display controller sends the image frame one  
2 memory page at a time to the display to refresh the display.

1           22.    The method of claim 10, wherein the sending of the marked memory pages of the  
2 image frame to the display to refresh the display further comprises sending the marked memory  
3 pages one memory page at a time.

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1           23.    (New) The system of claim 3, wherein the image frame is divided into tiles each  
2 representing a two-dimensional region of the image frame.

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1           24.    (New) The program of claim 15 further comprising:  
2 a third sub-program to divide the image frame into tiles representing regions of the image  
3 frame.

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